

QP Code:102103

Reg. No.:.....

**PG Degree Supplementary Examinations in Biochemistry (MD)
November 2022**

Paper II – Molecular Biology, Immunology & Cancer

Time: 3 hrs

Max marks:100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay: (20)

1. Discuss the process of translation. Add a note on post translational modification reactions and inhibitors of translation.

Short essays: (8x10=80)

2. Transcription – steps, post transcriptional modification and inhibitors
3. Apoptosis and role of key components in its regulation
4. Practical applications of recombinant DNA technology
5. Lac Operon and its control mechanism
6. Mutagens and mutagenesis
7. Complement system and its activation. Add a note on autoimmunity
8. DNA repair mechanisms and the disorders associated with it
9. Molecular methods in prenatal screening
